

Date: Mon, 18 Apr 94 18:02:04 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #431  
To: Info-Hams

Info-Hams Digest                      Mon, 18 Apr 94                      Volume 94 : Issue 431

Today's Topics:

    \* SpaceNews 18-Apr-94 \*  
    2-meter frequencies needed!  
    April - Amateur Radio Month ??  
    Batteries LEAKED! Please HELP!!! (2 msgs)  
        Heath HP23[abc]?  
        HostMaster Mac  
    Katashi Nose, KH6IJ, 1916-1994  
        License Delay  
        radio in caves  
    What's the best freq for underground radio?  
    WWW-Page for HAMS (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 18 Apr 94 16:02:16 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: \* SpaceNews 18-Apr-94 \*  
To: info-hams@ucsd.edu

SB NEWS @ AMSAT \$SPC0418  
\* SpaceNews 18-Apr-94 \*

BID: \$SPC0418

=====  
SpaceNews  
=====

MONDAY APRIL 18, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

\* STS-59 SAREX NEWS \*

=====

The following are some packet frames received from the Space Shuttle Endeavour by Andy, WA5ZIB:

W5RRR-1>SAREX [04/12/94 10:13:38] <UI>:  
This is STS-59 SAREX Robot station W5RRR-1  
onboard the Space Shuttle Endeavour.

W5RRR-1>QST [04/12/94 10:14:01] <I S4 R0>:  
Thanks to all of you hams who have connected to our packet station and worked us on voice! It really makes us feel closely connected to the people and places that we are flying over. On board Endeavour things are working very well - the scientists are very happy with the data they are acquiring. I am very happy to be back in space, and it all feels very familiar and nice. Our crew has been very well trained, and we were able to accomplish all our tasks as scheduled so far. We have had some spectacular views of Earth - we just flew over Tahiti, for example.

73, N5QWL  
12 April 1994 02:20 UTC

QSLs are available through the ARRL at the following address:

ARRL  
ATTN: STS-59 QSLs  
225 Main Street  
Newington, CT 06111  
USA

Include a self-addressed stamped envelope (SASE) with your QSL. Non-US stations should include a self addressed envelope with \$0.50 of US postage affixed or appropriate IRCs. Include the callsign worked, date, UTC, mode, and frequency. For packet contacts, include the QSO number issued by the Robot. SWL QSLs: Include the callsign heard, date, UTC, mode, and

frequency.

★ SOLAR ECLIPSE INFORMATION ★

=====

On 1994 May 10 (Tue), an annular solar eclipse will be visible throughout North and Central America. The May issue of "Sky & Telescope" (p 72ff) details this event, the last of its type visible in the continental US until 2012 May 20.

Scott, KF9QK, plans to monitor 10-meter beacons for the effect of the eclipse on radio propagation. Of interest is a predicted 'bow shock' effect on ionospheric propagation as the annular eclipse proceeds, so amateurs should plan observations well ahead and after their astronomical eyeball brethren. Observations of any effect on V/UHF propagation are also of interest. A log of conditions before, during and after the event would be most helpful. "Sky & Telescope" provides the needed planning information. Radio observers, of course, need not worry about atmospheric conditions.

Weather-wise, observers can also expect noticeable shifts in temperature, pressure and wind during the annular eclipse. An observer in Indiana has requested such information, which, if forwarded to KF9QK, will be relayed. Again, the better the log, the more it's worth.

Scott may be reached via packet radio at: KF9QK @ N9HSI.IL.USA.NOAM

[Info via KF9QK]

★ AMSAT PBBS MOVE ★

=====

The AMSAT PBBS changed frequency and modes on April 15th at 1600 UTC. The AMSAT PBBS will be on a Mark frequency of 14.079 MHz, (that's 14.1811 MHz AFSK LSB), using Pactor with the callsign WT0N. The new schedule will be as follows: Monday through Saturday from 1600 UTC until 2300 UTC on a Mark frequency of 14.079 MHz. From 2330 UTC until 0400 UTC on a Mark frequency of 7.0735 MHz (that's 7.0756 MHz AFSK LSB), using Pactor. These changes have been made to better serve AMSAT users with greater coverage and use of a mode that many of the users have expressed an interest in. If anyone would like to use the Mode G-TOR, please let WT0N know and he will see about setting up a schedule for G-TOR users. Please send any comments or suggestions to one of the following:

INTERNET: BJARTS@STTHOMAS.EDU

PACKET: WT0N@WB0GDB.#STP.MN.USA.NOAM

PACTOR: WT0N

The AMSAT PBBS will have updated Keps and AMSAT bulletins, along with SpaceNews and other satellite related items.

[Info via BJ Arts, WT0N]

\* JOHNSON SPACE CENTER BBS INFORMATION \*

=====

The Johnson Space Center Amateur Radio Club has set up a telephone computer bulletin board (BBS). The purpose of the BBS is to provide a source of current Space Shuttle mission Keplerian Elements.

There are limited number of BBS files available for downloading.

Among the current files are:

- o Current and old element sets for the mission in progress
- o Current mission information
- o Shuttle Amateur Radio Experiment (SAREX) information
- o Recent Space Shuttle Mission Schedules and Manifests
- o Astronaut/Cosmonaut Ham List
- o Current JSC Amateur Radio Club Newsletter

We ask that no files be uploaded to the BBS.

The telephone number is (713) 244-5625. The speed is anything up to 9600 baud. The parameters are N-8-1.

The BBS is currently running in ProComm HOST mode, so the log on is very simple and downloading is easy.

After logging in you will see the Welcome Screen describing the BBS. Also, the Welcome Screen contains the current and latest element set number (e.g., JSC008) loaded on the BBS. Check it against your last set so you won't waste your time duplicating a set you already have.

Press ENTER to bring up the second page containing the current Space Shuttle Keplerian Element Set. If you have a file capture or screen capture function in your communications software, use it for this page. That way, you won't have to go through the file download process if all you wanted was the latest element set.

If you have any comments for the Club or BBS sysop, leave a message and the sysops will respond.

Dale Martin, KG5U @ KA5KTH.#SETX.TX.USA.NA  
Secretary, Johnson Space Center ARC  
Houston, Texas

\* AMATEUR SPACE SHOT \*

=====

With funding from the National Space Society, the Pacific Rocket Society (PRS) is building a nitric acid/furfuryl alcohol rocket designed to achieve an altitude of 80 kilometers--the edge of space.

Of interest to the AMSAT folks is the television and data telemetry payload designed and built by Duncan Cumming, KD6GKE. (Duncan is a native of Birmingham England and holds a PhD in Electrical Engineering from Cambridge University.) The system transmits video from a small security camera at 434 MHz and data at 145.75 MHz.

The data channels include GPS, magnetometer, accelerometer, altimeter, launch detector, engine temperatures and pressures and status switches. The heart of the system is a Tattletale IV single board 6303 based computer.

An article on Duncan's telemetry system, co-authored by George Morgan, WB6ZUV, appears in the April 1994 issue of "High Power Rocketry."

The launch will be from the Pacific Rocket Society test site in the Mojave Desert later this year.

The PRS meets monthly in the physics classroom of Chaminade College Preparatory, West Hills, California. Inquiries about the project can be sent to PRS president Charles Pooley, KD6HKU at ckp@netcom.com or to Dave Reeves at kf6pj@amsat.org or chaminade@amsat.org.

[Info via Dave Reeves, KF6PJ/WA6BYE]

\* F0-20 SCHEDULE \*

=====

The F0-20 command station announced that F0-20 will be placed in Mode JA (Analog transponder mode) during Field Day 1994 (25-Jun-94 18:00 UTC through 26-Jun-94 18:00 UTC).

The current operating schedule is as follows:

Analog mode:

20-Apr-94 07:35 -to- 27-Apr-94 07:55 UTC

11-May-94 06:54 -to- 18-May-94 07:20 UTC

Digital mode:

Unless otherwise noted above.

[Info via Kazu Sakamoto, JJ1WTK]

★ THANKS! ★

=====

Thanks to all those who sent messages of appreciation to SpaceNews,  
especially:

N9QKD

WT0N

and Bob, N7PTM, who uploads SpaceNews to the GENie telephone BBS system.  
Bob places SpaceNews in the Radio and Electronics section, and is told  
it is available in the Space section as well.

★ FEEDBACK/INPUT WELCOMED ★

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any  
of the following paths:

FAX : 1-908-747-7107

PACKET : KD2BD @ N2KZH.NJ.USA.NA

INTERNET : kd2bd@ka2qhd.ocpt.ccur.com -or- kd2bd@amsat.org

MAIL : John A. Magliacane, KD2BD  
Department of Engineering and Technology  
Advanced Technology Center  
Brookdale Community College  
Lincroft, New Jersey 07738  
U.S.A.

<<= SpaceNews: The first amateur newsletter read in space! -=>>

/EX

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John A. Magliacane, KD2BD \* /\ \* Voice : 1-908-224-2948  
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA  
Brookdale Community College |/\| Internet: kd2bd@ka2qhd.ocpt.ccur.com  
Lincroft, NJ 07738 \* \/\ \* Morse : -. -.. ..--- -... -..

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Date: 18 Apr 1994 17:16:46 GMT

From: ihnp4.ucsd.edu!swrinde!sgiblab!cs.uoregon.edu!reuter.cse.ogi.edu!

netnews.nwnet.net!owl.csrvidaho.edu!raven.csrvidaho.edu!

hbechtel@network.ucsd.edu

Subject: 2-meter frequencies needed!

To: info-hams@ucsd.edu

### Repeater Frequencies Needed:

I have recently purchased one of those Radio Shack specials, the 2 meter one.

I will be going on a trip this summer from Moscow Idaho to Albuquerque NM and would like frequencies that I can listen to along the way (since I don't have a license yet!). I am planning to purchase the \$6.00 frequency guide from ARRL in the near future, but what I need are frequencies for the nearby area of the following towns in the 2 meter range (144 to 148).

### Towns:

Boise, Twin Falls, Salt Lake City, Cortez Colorado, Albuquerque NM.

If there are other towns on the map in between those areas that have repeater frequencies, please include those also!

Thanks!

Hans Bechtel

--

Amiga Club President

Palouse Amiga Novices Developers Artists (PANDA)

Email Address: hbechtel@raven.csr.v.uidaho.edu

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Date: Mon, 18 Apr 1994 15:23:24 GMT

From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!library.ucla.edu!psgrain!nntp.cs.ubc.ca!utcsri!newsflash.concordia.ca!canopus.cc.umanitoba.ca!

mona.muug.mb.ca!dwjhay@network.ucsd.edu

Subject: April - Amateur Radio Month ??

To: info-hams@ucsd.edu

I heard last week on the local broadcasting station that this month is Amateur Radio Month.

When I enquired about this at our local club meeting, no one has ever heard of this before. So a quick call to the local broadcaster confirmed that according to a service which track this sort of thing it is indeed Amateur Radio Month. And that this is promoted by ARRL.

Does anyone else know about this.

If we had known earlier we would have put on an event to help promote this!!

73

de Derek

VE4HAY

-----  
Date: Mon, 18 Apr 1994 11:23:21  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!  
news.kei.com!ssd.intel.com!chnews!ornews.intel.com!ccm.hf.intel.com!  
brett\_miller@network.ucsd.edu  
Subject: Batteries LEAKED! Please HELP!!!  
To: info-hams@ucsd.edu

In article <1994Apr15.222242.10548@kcvax1> boothc@kenyon.edu writes:

>I seem to have a serious problem. My girlfriend mistakenly unplugged  
>my Pro 43 with normal energizer batteries and placed the plug in the  
>charge jack. To cut to the chase, my baterries leaked a bit. Fortunately  
>the scanner was in an upright position so it did not leak "up" too far.  
>I just discovered this, but decided to take off the back cover before  
>I proceeded. The acid has discolored the bottom circuit board (the one  
>on the side facing the keypad just below the battery contacts (where they  
>connect).

>How do I get the acid stabalized and hope fully removed?

>Please e-mail suggestions to me asap because our newsreader downloads news  
>packs once or twice a day. I believe time is of the essence.

>Carter

>boothc@kenyon.edu  
>

For some reason, my outgoing email isn't working...

I'm no chemist, but I think baking soda (maybe mixed with a little water)  
should do the trick. I know it works with car batteries (lead acid), but I've  
never tried it with alkalines.

Brett Miller N70LQ  
Intel Corp.  
American Fork, UT

brett\_miller@ccm.hf.intel.com

-----  
Date: 18 Apr 94 21:58:44 GMT  
From: news-mail-gateway@ucsd.edu



Subject: Batteries LEAKED! Please HELP!!!  
To: info-hams@ucsd.edu

>I seem to have a serious problem. My girlfriend mistakenly unplugged  
>my Pro 43 with normal energizer batteries and placed the plug in the  
>charge jack. To cut to the chase, my batteries leaked a bit.

What you use to neutralize the cell leakage is relative to the cell used in the radio.

In your case where Energizer cells were used, neutralize with kitchen ammonia. Use a cotton swab and bathe the affected area. If necessary to remove crusted material, gently scratch with an Exacto knife blade. Continue to bathe the affected area with solution until there is no evidence of foaming/reaction.

Then, the most important step is to wash out the ammonia and acid with water. Again, use a swab and flush the area many times and dry completely to remove all traces of water.

Because the cell leakage and cleaning process removes all surface protection, restore moisture as best possible. Clear fingernail polish should be used on all non-contact surfaces. A light film of oil may be placed on contact surfaces.

If the leakage had been from an alkaline cell, such as a nicad, use vinegar and follow the same process as indicated above.

73

Hugh Wells, W6WTU

-----  
Date: 15 Apr 94 04:23:21 GMT  
From: agate!ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!news.oc.com!csci-wiermac.etsu.edu!user@ucbvax.berkeley.edu  
Subject: Heath HP23[abc]?  
To: info-hams@ucsd.edu

I've been looking for the AC power supply to run a boatanchor HW32(a) Heath rig I have. I have located one, but it appears to be an HP23. I believe there were also a and maybe b and c models of the power supply. I'm assuming that these were revisions of the original.

Can anyone say anything about the differences between the earlier/later versions?

THANKS & 73 de WB5KXH

===== insert usual disclaimers here =====

Bob Wier, East Texas State U., Commerce, Texas  
keeper of the Adobe Photoshop, MC68HC11, ICOM mailing lists  
wier@merlin.etsu.edu (watch for address change)

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Date: 18 Apr 1994 16:44:55 GMT  
From: pa.dec.com!nntpd.lkg.dec.com!crl.dec.com!utne.zk3.dec.com!  
usenet@decwrl.dec.com  
Subject: HostMaster Mac  
To: info-hams@ucsd.edu

|>Steven L Goldstein (slg@rfc.COMm.harris.COM) wrote:  
|>: Does anybody have experience w/ Kantronics' Hostmaster for Macintosh? I'm  
|>: leaning toward the purchase of a KamPlus, and am wondering if I should  
|>: get Hostmaster or some other third-party multimode controller software.  
|>: I've also heard that you must use Hostmaster software in order to utilize  
|>: the KamPlus' ability to simultaneously operate HF and VHF. Is this true?  
|>: 73 de KB2PWW

I must second sandy's comments about HostMaster for the mac; I'd been using  
terminal programs for several years (whitekinight, microphone, etc), and  
it was during a rtty qso with another kam+ user that I came to appreciate  
what HostMaster could do; Since I bought it I've never gone back to a term  
emulator, and wonder why it took me so long...

Whist on the bandwagon, I'll also second the mention of MARATHON, which  
i've used in only one contest but \*loved\*;  
-jim

--

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Jim McHale,NM1W	First Strike Software Inc
Mac/OSF/Unix consulting	603-329-7885
mchale@fss2.mv.com	Packet: nm1w@wb1dsw.nh.usa.na

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Date: 18 Apr 1994 15:16:47 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!news@network.ucsd.edu  
Subject: Katashi Nose, KH6IJ, 1916-1994

To: info-hams@ucsd.edu

QST:

"Nose" was my first Hawaii contact. His voice was weak but he hung in there.

I told him that I had wanted a QSO with him for quite a while since his call was the same as my dad's.

My dad got his license in 1917. His call was 9IJ. (no other prefix in those days.)

When Nose sent me his QSL card, he included a very nice note with it commending me and my dad. What a nice guy. I remember all those great articles in QST.

I worked him one other time about a year ago from the club station here, W9NAA. His QSL is displayed prominently on the shack wall.

QRX, good friend.

Jack

-----  
Date: 18 Apr 94 22:53:58 GMT  
From: agate!cat.cis.Brown.EDU!noc.near.net!news.delphi.com!BIX.com!  
hamilton@ucbvax.berkeley.edu  
Subject: License Delay  
To: info-hams@ucsd.edu

For what it's worth to those still waiting, my license just arrived today, exactly 70 days = 10 weeks after taking the exams on Feb 7.

Regards,  
Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715  
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

-----  
Date: 18 Apr 94 19:33:44 GMT  
From: sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!jholly@hplabs.hp.com  
Subject: radio in caves  
To: info-hams@ucsd.edu

John Derry (derry@NeXTwork.Rose-Hulman.Edu) wrote:  
: howdy

: Question: What would be the best band for radio communication inside  
: of caves.

: =====

: Don;

: Write to the NSS. (Does it still exist?) There was an article on this  
: quite a while back.

: 73 de Jack, K9CUN (used to be spelunker)  
having never tried it, I would opt for 2 mtrs or 70 cm. Seems the VHF/ low  
UHF would bounce around before being attenuated. I think HF would be absorbed.

Of course the range might be some what dismal, it is after all  
line-of-sight :-)

Jim, WA6SDM  
jholly@cup.hp.com

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Date: 18 Apr 1994 15:20:56 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!news@network.ucsd.edu  
Subject: What's the best freq for underground radio?  
To: info-hams@ucsd.edu

- >Question: What would be the best band for radio communication inside  
-> >of caves. I've only tried 2 meters at 5w and had limited success.  
-> >Would 6 meters be any better, 10 meters? On two meters I can get  
-> >reasonable propagation down long tunnels and through a squeeze or two.  
-> >I'm assuming that the signals are doing a lot of bouncing around off  
-of  
-> >the rock walls down there. Also, some caves seem to be a lot better  
-> >then others.  
-> Dan  
-> VE3DCL  
-> --

=====

Don;

Write to the NSS. (Does it still exist?) There was an article on this  
quite a while back.

73 de Jack, K9CUN

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Date: 18 Apr 1994 16:20:01 GMT  
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!jussieu.fr!univ-lyon1.fr!  
swidir.switch.ch!scsing.switch.ch!news.dfn.de!news.uni-jena.de!  
prakinf2.PrakInf.TU-Ilmenau.DE!hekla!planke@network.ucsd.edu  
Subject: WWW-Page for HAMS  
To: info-hams@ucsd.edu

There is a new service with the HAMS WWW page at Technical University  
of Ilmenau.  
The service is still in test but some useful information maybe already  
included for you, for instance QSL information from WPX phone contest 94.  
Try it...

<A HREF = "http://server.systemtechnik.tu-ilmenau.de/ham.html">

on 141.24.40.1

DL5ATP

--

Thomas Planke  
Technical University of Ilmenau

Planke@Systemtechnik.TU-Ilmenau.DE  
Phone: +49 3677/69-1465

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Date: 18 Apr 94 19:37:30 GMT  
From: sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!genem@hplabs.hp.com  
Subject: WWW-Page for HAMS  
To: info-hams@ucsd.edu

Thomas Planke (planke@hekla.Systemtechnik.TU-Ilmenau.DE) wrote:  
: There is a new service with the HAMS WWW page at Technical University  
: of Ilmenau.  
: <A HREF = "http://server.systemtechnik.tu-ilmenau.de/ham.html">

Also check out:

<http://server.systemtechnik.tu-ilmenau.de/ham.html>

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+-----+  
Gene Marshall	email: genem@cup.hp.com
Hewlett Packard Co., MS 42UN	Tel: 408/447-5282
Software Svcs & Tech. Division (SST)	\_\_\_o Fax: 408/447-5039
11000 Wolfe Road L^\<.\_ AA6IY@N6LDL.CA.USA.NA	
Cupertino, CA 95014 (\_)/ ( ) CompuServe: 75060,260	
+-----+

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Date: 18 Apr 94 16:56:27 GMT  
From: dog.ee.lbl.gov!agate!library.ucla.edu!news.ucdavis.edu!modem64.ucdavis.edu!  
ddtodd@ucbvax.berkeley.edu  
To: info-hams@ucsd.edu

References <1994Apr16.175444.11092@nntpd2.cxo.dec.com>,  
<2opkhq\$7kg@safety.ics.uci.edu>, <2opl3m\$7mi@safety.ics.uci.edu>  
Subject : Re: Proposed Illinois law to pre-empt antenna restrictions

In article <2opl3m\$7mi@safety.ics.uci.edu> turner@safety.ics.uci.edu (Clark Savage  
Turner) writes:

>From: turner@safety.ics.uci.edu (Clark Savage Turner)  
>Subject: Re: Proposed Illinois law to pre-empt antenna restrictions  
>Date: 16 Apr 1994 14:25:10 -0700  
>Keywords: PRB-1, Illinois Law, Antenna Pre-emption

>One more thing.....

>Shoot, if I was on the Supreme Court, I'd fix this mess and we would all  
>enjoy a more realistic balance of Amateur Radio antenna rights versus the  
>health and safety of the public.

Let me know when the trial balloon gets floated. I'll be sure to get myself  
heard. We know there is a trial balloon two-three weeks before this  
administration does anything.

cheers,  
Dan

ps. nice to see your name on a post again.

=====  
Dan Todd ddtodd@ucdavis.edu KC6UUD

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Bill Clinton and Al Gore know that the Constitution guarantees  
an individuals basic right to keep and bear arms, and they  
will uphold that right. - Whitehouse Position Paper  
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Date: Mon, 18 Apr 1994 16:10:04 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!alberta!

quartz.ucs.ualberta.ca!tribune.usask.ca!kakwa.ucs.ualberta.ca!gov.nt.ca!  
ve8ev@network.ucsd.edu  
To: info-hams@ucsd.edu

References <CoBF0I.JoL@icon.rose.hp.com>, <1994Apr14.145315.21297@gov.nt.ca>,  
<CoD81t.2xs@freenet.carleton.ca>ta.ca  
Subject : Re: Working A0-21 with TH-78A

In a previous article, greg@core.rose.hp.com (Greg Dolkas) says:

>Can you really work A0-21 from a handheld? I've tried using my Yaesu 767GX  
>(10 watts) into an 8 element Quagi, with not even a hint of a change in the  
>downlink static.  
>  
>Am I doing something wrong? I had the uplink tuned to 435.016, and even tried  
>to move it around a little (+/- 5khz or so). Judging from the conversations  
>I hear on the bird, most folks seem to have complete OCSAR setups with BIG  
>antennae and lots of power (100w range).  
>  
>Greg KD6KGW  
>  
>p.s. I've also not had any luck with F0-20, but I've made dozens of contacts  
>on RS-10.

I tried for a month to work Oscar 21 with my FT767GX and 10 watts. Even with a quagi or medium size helix and no one else on the bird at all it just doesn't have enough kick to get through. I picked up a 70cm amp kit from Communications Concepts. Less than \$200, you just add connectors and a heat sink and away you go. It is rated for 18W in 100W out at 28VDC but I drive it with the 10 watts from the 767 and use the 767's internal 24VDC power and get about 60 watts output. Even into a ground plane or discone antenna that works OK for A0-21. You just have to wait until the BIG GUNS take a breath and slip your call in. If you add a high gain antenna (I'm using a 10 turn helix) you can work A0-21 anytime its above the horizon.

If you're in a hurry to make some FM satellite contacts, try A0-27 (145.85up/436.800down +/- 13kHz doppler). Ten watts to a ground plane is plenty for this one, although it is only scheduled on weekends and then only when the solar panels are illuminated by the sun.

\*NOTE TO ALL A0-27 USERS\*

If you don't hear your own downlink right away, tune between 436.875 and 436.915 and \*LISTEN\* for activity. Also, you might require a filter on your receiver to cancel to 3rd harmonic from the 2m uplink. Many an A0-27 pass is unusable because of strong stations that cannot hear the satellite crooning "Heeeelllooo" for the duration of the pass.

73  
CU on the birds...  
John  
VE8EV

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End of Info-Hams Digest V94 #431  
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